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0001 0 | Terminal Control Block Definitions for RTL SCR\$ facility
0002 0 | File: SCRTCB.REQ Edit: RKR1001
0003 0 |
0004 0 | Version: 'V04-000'
0005 0 |
0006 0 |*****
0007 0 |*
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0025 0 |*
0026 0 |*
0027 0 |*****
0028 0 |
0029 0 |
0030 0 |++
0031 0 |FACILITY: Screen Management
0032 0 |
0033 0 |ABSTRACT:
0034 0 |
0035 0 |This file contains the offsets for each variable in the Terminal Control
0036 0 |Block. A TCB is allocated by the screen package for each channel/terminal.
0037 0 |
0038 0 |
0039 0 |AUTHOR: R. Reichert, CREATION DATE: 25-AUG-1982
0040 0 |
0041 0 |MODIFIED BY:
0042 0 |
0043 0 |1-001 - Original. RKR 25-AUG-1982
0044 0 |--
0045 0 |
0046 0 |+
0047 0 |Terminal control block
0048 0 |-----
0049 0 |-
0050 0 |MACRO
0051 0 |SCR\$L_FLINK = 0, 0, 32, 0%, | Link pointer to next terminal
0052 0 | | control block
0053 0 |SCR\$L_BUFFER = 4, 0, 32, 0%, | Address of buffer for buffer
0054 0 | | mode
0055 0 |SCR\$W_CHAN = 8, 0, 16, 0%, | Channel number for this
0056 0 | | terminal
0057 0 |SCR\$B_TYPE = 10, 0, 8, 0%. | Terminal type

0058 0	SCR\$B_DEVTYP	= 11, 0, 8, 0%	Device type (\$DCDEF)
0059 0	SCR\$W_DEVWIDTH	= 12, 0, 16, 0%	Line width in characters
0060 0	SCR\$W_DEVPAGSIZ	= 14, 0, 16, 0%	Lines on screen
0061 0	SCR\$L_DEVCHAR	= 16, 0, 32, 0%	Supported device characteristics
0062 0	SCR\$L_AREA	= 20, 0, 32, 0%	Size of screen maps
0063 0	SCR\$L_CHARMAP	= 24, 0, 32, 0%	Address of character array
0064 0	SCR\$L_ATTRMAP	= 28, 0, 32, 0%	Address of attribute array
0065 0	SCR\$L_MODFMAP	= 32, 0, 32, 0%	Address of modified bit map
0066 0	SCR\$L_LINE	= 36, 0, 32, 0%	Current line
0067 0	SCR\$L_COLUMN	= 40, 0, 32, 0%	Current column
0068 0	SCR\$L_ATTRMASK	= 44, 0, 32, 0%	OR'd attributes for ATTRMAP
0069 0	SCR\$L_STREAM	= 48, 0, 32, 0%	User-assigned stream number
0070 0	SCR\$W_IFI	= 52, 0, 16, 0%	Context for RMS file calls
0071 0	SCR\$W_ISI	= 54, 0, 16, 0%	Context for RMS record calls
0072 0	SCR\$Q_RTNINFO	= 56, 0, 64, 0%	Quadword describing next two locations
0073 0	SCR\$L_RTNADDR	= 56, 0, 32, 0%	Routine call-back address for output
0075 0	SCR\$L_RTNARG	= 60, 0, 32, 0%	Argument to pass to routine
0077 0	SCR\$L_CONTROL	= 64, 0, 32, 0%	Screen control flags
0078 0	SCR\$V_SCROLL	= 64, 0, 1, 0%	Scrolling region active 1 = ON
0080 0	SCR\$L_DEVDEPND2	= 68, 0, 32, 0%	DEVDEPND2 as returned by GETDVI
0081 0	SCR\$L_EFN	= 72, 0, 32, 0%	Event flag number to use for QIOs
0084 0	SCR\$L_BUFSIZ	= 76, 0, 32, 0%	Size of buffer
0085 0	SCR\$L_FTDATA	= 80, 0, 32, 0%	Data area for use by SCRFT (32 bytes)
0086 0	SCR\$L_FAB	= 112, 0, 32, 0%	FAB alloc for output file
0087 0	SCR\$L_RAB	= 116, 0, 32, 0%	RAB alloc for output fil *** next free area is loc 120 ***
0090 0	LITERAL		
0091 0	SCR\$C_SIZE = 120;		! Size of block per terminal

0092 0 | Terminal Definitions for RTL SCR\$ facility
0093 0 | File: SCRTERM.REQ Edit: PLL1001
0094 0 |
0095 0 | Version: 'V04-000'
0096 0 |
0097 0 |*****
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0116 0 |*
0117 0 |*
0118 0 |*****
0119 0 |
0120 0 |
0121 0 |++
0122 0 |FACILITY: Screen Management
0123 0 |
0124 0 |ABSTRACT:
0125 0 |
0126 0 |This file contains terminal type definitions and escape sequences
0127 0 |which are needed by various routines in the screen package.
0128 0 |
0129 0 |
0130 0 |
0131 0 |MODIFIED BY:
0132 0 |
0133 0 |1-001 - Original. PLL 18-Oct-1982
0134 0 |--
0135 0 |
0136 0 |+
0137 0 |Special characters
0138 0 |-----
0139 0 |
0140 0 |LITERAL
0141 0 |BLANK = %X'20', : blank (space)
0142 0 |BS = %X'08', : Backspace
0143 0 |FF = %X'0C', : Form feed
0144 0 |LF = %X'0A', : Line feed
0145 0 |CR = %X'0D', : Carriage return
0146 0 |ESC = %X'1B', : Escape
0147 0 |LB = %X'5B', : Left bracket (VT100)
0148 0 |SEMI = %X'3B', : Semi-colon

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0149 0     NULL      = %X'00';      ! Null
0150 0
0151 0
0152 0     + Miscellaneous constants
0153 0     -----
0154 0     -
0155 0     LITERAL
0156 0     BUFSIZE    = 512
0157 0     CB          = %X'1F';    ! Length of internal buffer in FOREIGN
0158 0                                         ! Line/column bias in message
0159 0
0160 0     + Terminal type definitions
0161 0     -----
0162 0     -
0163 0     LITERAL
0164 0     UNKNOWN     = 0,          ! Non-graphics or unknown type
0165 0     VT05        = 1,          ! VT05 series terminal
0166 0     VT52        = 2,          ! VT5x series terminal
0167 0     VT100       = 3,          ! VT100 series terminal
0168 0     VTFOREIGN   = 4;        ! Foreign terminal (FT1-8)
0169 0
0170 0     + VT05 Codes
0171 0     -----
0172 0     -
0173 0     LITERAL
0174 0     VT05_SC     = %X'0E';    ! Set cursor position
0175 0     VT05_HOME   = %X'1D';    ! Set cursor to home
0176 0     VT05_CUP    = %X'1A';    ! Cursor up
0177 0     VT05_EOL    = %X'1E';    ! Erase to end of line
0178 0     VT05_EOS    = %X'1F';    ! Erase to end of screen
0179 0
0180 0
0181 0     + VT52 Codes
0182 0     -----
0183 0     -
0184 0     LITERAL
0185 0     VT52_SC     = %X'59';    ! Set cursor position
0186 0     VT52_HOME   = %X'48';    ! Set cursor to home
0187 0     VT52_DWN    = %X'49';    ! Down scroll
0188 0     VT52_EOS    = %X'4A';    ! Erase to end of screen
0189 0     VT52_EOL    = %X'4B';    ! Erase to end of line
0190 0
0191 0
0192 0     + VT100 Codes
0193 0     -----
0194 0     -
0195 0     LITERAL
0196 0     VT100_SC    = %X'66';    ! Set cursor position
0197 0     VT100_DWN   = %X'4D';    ! Down scroll
0198 0     VT100_EOS   = %X'4A';    ! Erase to end of screen
0199 0     VT100_EOL   = %X'4B';    ! Erase to end of line
0200 0     VT100_SGR   = %X'6D';    ! Select graphic rendition
0201 0     VT100_SM    = %X'72';    ! Set scrolling region
0202 0
0203 0

```

COMMAND QUALIFIERS

BLISS/LIB=LIB\$:SCRLIB/LIS=LIS\$:SCRLIB SRC\$:SCRTCB.REQ+SRC\$:SCRTERM.REQ

Run Time: 00:01.0
Elapsed Time: 00:01.8
Lines/CPU Min: 11825
Lexemes/CPU-Min: 32155
Memory Used: 15 pages
Library Precompilation Complete

0437 AH-BT13A-SE
VAX/VMS V4.0

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SCRLTB
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SCRVECTOR
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SSMSG
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